

ADAPTIVE THRESHOLD BASED JITTER BUFFER MANAGEMENT FOR PACKETIZED DATA

ABSTRACT OF THE DISCLOSURE

- 5 Adaptive jitter buffer management, e.g., for playout of packetized data transmitted over a network. Playout delay is iteratively adjusted based on changing network traffic characteristics by varying the release threshold in a jitter buffer. The adjustment is carried out by evaluating three quantities: (1) average packet transit time over the network; (2) jitter of the packet transit time; and (3) additional waiting time due to the presence of out-of-sequence packets. This invention reduces negative effects of jitter and/or transmission irregularities, such as late arrival of packets and out-of-sequence packets, while maintaining relatively low playout delay and relatively high quality of service.
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